

| Application No.    | Applicant(s) |  |  |  |  |  |  |  |
|--------------------|--------------|--|--|--|--|--|--|--|
| 09/748,453         | HWANG ET AL  |  |  |  |  |  |  |  |
| Examiner           | Art Unit     |  |  |  |  |  |  |  |
|                    |              |  |  |  |  |  |  |  |
| Angela A Armetrona | 2654         |  |  |  |  |  |  |  |

|                                     |    |   |     |         | IS    | SSUE C                            | LASSIF        | FICATIO | N                        |                    |  |  |  |  |  |  |
|-------------------------------------|----|---|-----|---------|-------|-----------------------------------|---------------|---------|--------------------------|--------------------|--|--|--|--|--|--|
|                                     |    |   | ORI | GINAL · |       | CROSS REFERENCE(S)                |               |         |                          |                    |  |  |  |  |  |  |
| CLASS SUBCLASS                      |    |   |     |         | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |               |         |                          |                    |  |  |  |  |  |  |
|                                     | 70 | 4 |     | 249     | 704   | 10                                | 243           | 236     | 254                      | 252                |  |  |  |  |  |  |
| INTERNATIONAL CLASSIFICATION        |    |   |     |         | 1     |                                   |               |         |                          |                    |  |  |  |  |  |  |
| G                                   | 0  | 6 | F   | 17/21   |       |                                   |               |         |                          |                    |  |  |  |  |  |  |
| G                                   | 1  | 0 | L   | 15/06   |       |                                   |               |         |                          |                    |  |  |  |  |  |  |
| G                                   | 1  | 0 | L   | 15/08   |       |                                   |               |         |                          |                    |  |  |  |  |  |  |
| G                                   | 1  | 0 | L   | 15/04   |       |                                   |               |         |                          |                    |  |  |  |  |  |  |
|                                     |    |   |     | 1       |       |                                   |               |         |                          |                    |  |  |  |  |  |  |
| / (Assistant Examiner) (Date)       |    |   |     |         | e)    | <b>A</b>                          | $\cap$        | 1       | Total Claims Allowed: 18 |                    |  |  |  |  |  |  |
| (Legal Instruments Examiner) (Date) |    |   |     |         |       | angel                             | mary Examiner | •       | O.<br>Print C            | O.G.<br>Print Fig. |  |  |  |  |  |  |
|                                     |    |   |     |         |       |                                   | 705T          | , (-    | •                        | .3                 |  |  |  |  |  |  |

| Claims renumbered in the same order as presented by applicant |          |   |       |          |   |       |          | ☐ CPA |       |          | ☐ T.D. |       |          | ☐ R.1.47 |       |          |   |       |          |
|---|----------|---|-------|----------|---|-------|----------|-------|-------|----------|--------|-------|----------|----------|-------|----------|---|-------|----------|
| Final   | Original |   | Final | Original |   | Final | Original |       | Final | Original | •      | Final | Original |          | Final | Original |   | Final | Original |
|   | 1        |   |       | 31       | 1 |       | 61       |       |       | 91       |        |       | 121      |          |       | 151      | 1 |       | 181      |
|   | 2        |   |       | 32       | ] |       | 62       | ]     |       | 92       |        |       | 122      |          |       | 152      | 1 |       | 182      |
|   | 3        |   |       | 33       |   |       | 63       | ]     |       | 93       |        |       | 123      |          |       | 153      |   |       | 183      |
|   | 4        |   |       | 34       |   |       | 64       |       |       | 94       |        |       | 124      |          |       | 154      |   |       | 184      |
|   | 5        |   |       | 35       |   |       | 65       |       |       | 95       |        |       | 125      |          |       | 155      | ] |       | 185      |
|   | 6        |   |       | 36       |   |       | 66       |       |       | 96       |        |       | 126      |          |       | 156      | ] |       | 186      |
|   | 7        |   |       | 37       | Ì |       | 67       |       |       | 97       |        |       | 127      |          |       | 157      | 1 |       | 187      |
|   | 8        |   |       | 38       |   |       | 68       |       |       | 98       |        |       | 128      |          |       | 158      | 1 |       | 188      |
|   | 9        |   |       | 39       |   |       | 69       |       |       | 99       |        |       | 129      |          |       | 159      |   |       | 189      |
|   | 10       |   |       | 40       |   |       | 70       |       |       | 100      |        |       | 130      |          |       | 160      |   |       | 190      |
|   | 11       |   |       | 41       |   |       | 71       |       |       | 101      |        |       | 131      |          |       | 161      |   |       | 191      |
|   | 12       |   |       | 42       |   |       | 72       |       |       | 102      |        |       | 132      |          |       | 162      |   |       | 192      |
|   | 13       |   |       | 43       |   |       | 73       |       | -     | 103      |        |       | 133      |          |       | 163      | ] |       | 193      |
|   | 14       |   |       | 44       |   |       | 74       |       |       | 104      |        |       | 134      |          |       | 164      | ] |       | 194      |
|   | 15       |   |       | 45       |   |       | 75       |       |       | 105      |        |       | 135      |          |       | 165      | ] |       | 195      |
|   | 16       |   |       | 46       |   |       | 76       |       |       | 106      |        |       | 136      |          |       | 166      | ] |       | 196      |
|   | 17       |   |       | 47       |   |       | 77       |       |       | 107      |        |       | 137      | •        |       | 167      | Ì |       | 197      |
|   | 18       |   |       | 48       |   |       | 78       |       |       | 108      |        |       | 138      |          |       | 168      |   |       | 198      |
|   | 19       |   |       | 49       |   |       | 79       |       |       | 109      |        |       | 139      |          |       | 169      | ] |       | 199      |
|   | 20       |   |       | 50       |   |       | 80       |       |       | 110      |        |       | 140      |          |       | 170      |   |       | 200      |
|   | 21       |   |       | 51       |   |       | 81       |       |       | 111      |        |       | 141      |          |       | 171      |   |       | 201      |
|   | 22       |   |       | 52       |   |       | 82       |       |       | 112      |        |       | 142      |          |       | 172      |   |       | 202      |
|   | 23       |   |       | 53       |   |       | 83       |       |       | 113      |        |       | 143      |          |       | 173      | 1 |       | 203      |
|   | 24       | İ |       | 54       |   |       | 84       |       |       | 114      |        |       | 144      |          |       | 174      | ĺ |       | 204      |
|   | 25       |   |       | 55       |   |       | 85       |       |       | 115      |        |       | 145      |          |       | 175      |   |       | 205      |
|   | 26       |   |       | 56       |   |       | 86       |       |       | 116      |        |       | 146      |          |       | 176      |   |       | 206      |
|   | 27       |   |       | 57       |   |       | 87       |       |       | 117      |        |       | 147      |          |       | 177      |   |       | 207      |
|   | 28       |   |       | 58       |   |       | 88       |       |       | 118      |        |       | 148      |          |       | 178      |   |       | 208      |
|   | 29       |   |       | 59       |   |       | 89       |       |       | 119      |        |       | 149      |          |       | 179      |   |       | 209      |
|   | 30       |   |       | 60       |   |       | 90       |       |       | 120      |        |       | 150      |          |       | 180      |   |       | 210      |